

**LEESBURG**  
*ELECTRIC DEPARTMENT*

# **"Blue Book"**

**Requirements for Installation  
Of Electric Services**

**2006**

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## **SECTION I**

### **INTRODUCTION**

The City of Leesburg Electric Department has prepared this booklet to inform the customer about our requirements for installing, maintaining, and replacing electric service and metering equipment. This booklet is for customers who may be planning, designing, and building facilities requiring electric service or who are planning changes to their existing electric service.

Every effort has been made to ensure the requirements within this booklet are up to date. However, with changing needs of the customer, changing codes and technology may require this booklet to be updated periodically. If you have any questions or comments, please contact the Electric Dept. field engineers at the following address:

#### **CITY OF LEESBURG ELECTRIC DEPARTMENT**

**Attn: Engineering Manager**

**2010 GRIFFIN ROAD**

**LEESBURG, FL 34748**

Except for the installation and maintenance of its own property, the City of Leesburg Electric Department does not install or repair wiring on the customer's premises and, therefore, is not responsible for the voltage beyond the point of delivery. The Electric Department does not assume any responsibility for, or liability arising from, the condition of wires or apparatuses on the premises of any customer beyond the point of delivery. The customer's cooperation is appreciated and will enable the receipt of satisfactory service. The following list of phone numbers has been compiled for the customer to ensure prompt service.

#### **City of Leesburg Electric Department (Municipal Operations Center/SCADA Dispatch) 352-728-9830**

- Contact for general information, report trouble calls or service quality, area light outages, and to schedule services to be installed.

#### **City of Leesburg Electric Department Field Engineers 352-728-9819, 352-728-9821, 352-728-9822, or 352-728-9781**

- Contact for information regarding the availability of electric service including new services, upgrade of existing services, electric line extensions, or installation of rental lights.

#### **City of Leesburg Building and Inspections Department 352-728-9750**

- Contact for permits or inspections for property within the municipal limits of the City of Leesburg.

#### **City of Leesburg Customer Service 352-728-9800**

- Contact for general information, setting up new service accounts, and having services turned on or off.

**City of Fruitland Park Building Department**

**352-360-6652**

- Contact for permits and inspections for property within the municipal limits of the City of Fruitland Park.

**Lake County Building Services**

**Permits: 352-343-9653; Inspections: 352-343-9634**

- Contact for permits and inspections for property located in the unincorporated areas of Lake County.

## **SECTION II**

### **GENERAL INFORMATION**

#### **A. DEFINITIONS**

The following definitions shall apply for terms used in this booklet.

**Authority Having Jurisdiction** - (See Inspector or Inspection Authority)

**Available Fault Current** - The maximum current that would flow due to a direct short from one conductor to ground or between conductors at the point of calculation.

**Contribution-in-Aid of Construction** - The added cost paid by a customer or developer to have the City of Leesburg install service facilities costing more than that normally recovered through the monthly energy and demand charges.

**Customer** - User of the City of Leesburg's electric service or his authorized representative (architect, engineer, certified electrical contractor, etc.).

**Demand** - The average rate at which electric energy in KW, KVA, or KVAR is consumed per time interval, typically 30 minutes.

**Demand Ampere** - Average current flowing during the peak demand interval.

**Emergency and Standby Generators** - Generators that normally operate only when the City of Leesburg's electric service is unavailable and which are connected in such a way that no interconnection can exist.

**FEMA** - Federal Emergency Management Agency.

**FPSC** - Florida Public Service Commission.

**High Leg** - The conductor in a three-phase delta secondary connection that has a higher voltage-to-ground potential than the other conductors.

**Inspector or Inspection Authority** - A person or agency authorized by a governmental body to inspect and approve electrical installations.

**Instrument Transformer** - Current Transformer (CT) or Potential Transformer (PT) used to obtain current or voltage levels required for metering circuits.

**Interconnection – Cogeneration and Small Power Producers** – An electric service where co-generators and small power producers operate in parallel with the City of Leesburg’s electric system. Energy may flow in either direction through an interconnection.

**National Electrical Code (N.E.C.)** – The code sponsored by the National Fire Protection Association under the auspices of the American National Standards Institute for the purpose of safeguarding persons and property from hazards arising from the use of electricity.

**National Electric Safety Code (N.E.S.C.)** – The code sponsored by the Institute of Electrical and Electronics Engineers, Inc. under the auspices of the American National Standards Institute for the purpose of the practical safeguarding of persons during the installation, operation, and/or maintenance of electric supply and communication lines and associated equipment.

**Point of Delivery** – The point, as designated by the City of Leesburg Electric Department, where the City of Leesburg’s overhead service drop, underground service lateral, or transformer secondary bushings connect to the customer’s service entrance conductors.

**Service** – The supply by the City of Leesburg of electricity to the customer, including the readiness and availability of electrical energy at the point of delivery at the standard available voltage and frequency whether or not utilized by the customer.

**Service Drop** – The overhead service conductors between the City of Leesburg’s secondary conductors and the point of delivery to the customer’s property.

**Service Entrance** – Customer owned wire and enclosures connecting the customer’s service equipment to the City of Leesburg’s service drop, service lateral, transformer bushings, or other source of supply.

**Service Lateral** – The underground service conductors between the City of Leesburg’s secondary conductors or transformers, including any risers at a pole or other structure and the point of delivery.

**Wire Size** – Copper conductors AWG, unless otherwise specified. Should another approved conductor material be used, a size having the equivalent current carrying capacity shall be selected.

## **B. AVAILABILITY AND LOCATION OF SERVICE**

1. Information concerning the availability of service for a desired location shall be provided by the City of Leesburg Electric Department. The City of Leesburg Electric Department, in all cases, shall designate the point of delivery. The City of Leesburg shall make extensions to its existing facilities, when required, provided the revenues to be derived shall be sufficient to afford a fair and reasonable return on the cost of making such extensions. These extensions shall be to the point which allows the City of Leesburg to provide service in the most economical and practical means. Should additional facilities

be requested by the customer, additional fees shall be required to cover added costs. The City of Leesburg may require from customers additional fees, easements, or other arrangements whereby the City of Leesburg shall be assured a fair and reasonable return on the cost of providing service.

2. In order to assure that the service connection is made promptly and that City equipment has adequate capacity to provide satisfactory service to the customer, cooperation between the customer and the City of Leesburg Electric Department is necessary. Before construction is started, the customer shall request the City of Leesburg Electric Department designate a point of delivery, and submit appropriate load data to the City of Leesburg Electric Department. The load data shall include the anticipated demand or the type and number of electrical appliances to be used, building plans, and site plans. It is imperative that the City of Leesburg Electric Department and customer be in agreement on the planned location of all service related equipment before construction is started. However, the City of Leesburg Electric Department shall have final authority to determine the location. This equipment includes meters, risers, pedestals, pull boxes, CT cabinets, PT cabinets, transformers, etc.

### **C. APPLICATION FOR SERVICE**

1. In order to obtain permanent service at the desired time, a “service request” for permanent service shall be made by the customer or owner during construction or as far in advance of the occupancy of the building as possible.
2. Once the customer or owner has met with an Electric Department representative, the customer must take the “Service Request” form to Customer Service at city hall and apply for new service. The fees indicated by the Electric Department representative, and any other fees that are due, will be collected at that time. See Table #1 for current fees. A “service order” will be issued to the electric department. See Figures 21 and 22 for a flow chart of steps to be taken.

### **D. TYPE AND CHARACTER OF SERVICE**

1. **IT IS ESSENTIAL THAT THE CUSTOMER CONSULT THE CITY OF LEESBURG ELECTRIC DEPARTMENT REGARDING TYPE OF SERVICE WHICH CAN BE FURNISHED AT A PARTICULAR LOCATION BEFORE PROCEEDING WITH PURCHASE OF EQUIPMENT OR INSTALLATION OF WIRING.**
2. Service is provided with alternating current at a normal frequency of sixty (60) hertz (cycles per second).
3. The voltage and/or number of phases which shall be supplied will depend on the type, size, and location of the load and existing City of Leesburg facilities.
  - a. Voltage

Standard voltages are 120/240, 120/208, and 277/480 (see **Figure 1**). Only one set of these voltages is normally available at any given location. If a voltage is requested other than that which is currently established at the desired location, the customer may be charged a “Contribution-in-Aid of Construction” to cover the cost to supply the requested voltage.

b. Phase

Single-phase, 3-wire service or Three-phase, 4-wire service shall be provided according to the following:

- i. Customers located in predominantly residential areas shall normally be provided with only single phase 120/240 volt service. Three-phase service to such customers may be supplied only if a single motor of more than 5 HP or single heat pump/air conditioner of more than 5.6 tons is present, and the required City facilities are readily accessible. The Customer may be charged a “Contribution-in-Aid of Construction” for three-phase service.
  - ii. In multi-occupancy buildings or complexes served by 120/208 volt, three-phase facilities, normal service to individual occupancies shall be 120/208 volt, single-phase, 3-wire.
  - iii. Commercial/Industrial customers located in commercial/industrial areas shall be provided three-phase service only if it is currently available at the location, or, if loads meet the above size requirement, or, if “special” three-phase loads are involved as determined by the City of Leesburg Electric Department.
  - iv. If three-phase service is requested and the above conditions are not satisfied, the customer may be charged a “Contribution-in-Aid of Construction.”
4. The manner in which single-phase load is connected by the customer is critical with three-phase service. On 120/208 volt or 277/480 volt “wye” three-phase services, all single-phase loads should split evenly among the three phases. On 120/240 volt “delta” three-phase services, all single-phase load, both 120 volt and 240 volt, shall be connected only to the 120 volt-to-ground legs. No single-phase load, either 120 volt or 240 volt, shall be connected to the “high-leg.” Connections made otherwise may result in an overload or single-phase condition with the possibility of damage to the customer’s three-phase equipment.

## **E. INSPECTION**

1. The customer’s wiring and electrical equipment shall be installed in accordance with the adopted edition of the “National Electric Code” and local ordinances.



2. All wiring installations shall be inspected and approved by an authorized electrical inspector, as required by law. The City of Leesburg Electric Department can make connection only when requirements of this booklet have been met and the City of Leesburg Electric Department has been notified by the customer or owner that the installation has been approved. If a safety inspection is required by an authorized inspecting authority, it shall be done before connection or reconnection of service.
3. The City of Leesburg Electric Department shall make an inspection of the customer's service entrance facilities only to check for compliance with the City of Leesburg Electric Department's requirements stated in this booklet. If it is found that the facilities are not in compliance with these requirements, the City of Leesburg Electric Department may refuse to connect the service. A reasonable effort shall be made to advise the customer of any changes required by the City of Leesburg Electric Department.
4. The City of Leesburg Electric Department may refuse service to any new or altered installation, or disconnect service to any existing installation, which, upon inspection, the City of Leesburg Electric Department or authorized inspecting authority considers unsafe. The City of Leesburg Electric Department may disconnect a service that shows physical evidence of tampering, hazardous condition, or current diversion as provided under state statutes or rules and regulations of the City of Leesburg Electric Department. The City of Leesburg Electric Department shall not be responsible in any way for any defect in the customer's wiring or for damage resulting from such defects.
5. Temporary emergency restoration of service to an existing customer shall be made in accordance with the City of Leesburg Electric Department's rules and regulations and the authority having jurisdiction.

#### **F. ALTERATIONS AND ADDITIONS**

1. **ATTENTION: Service connections, meters or metering equipment, by law, shall not be removed or relocated except by employees of the City of Leesburg Electric Department authorized to perform such work.**
2. Connection to the customer's premises is made with facilities designed to properly supply adequate electric service for the customer's operation, using information provided on the application for service. Therefore, no additions of major load or alterations of the customer's installation should be made without first notifying the City of Leesburg Electric Department. Failure to provide such notification may affect the quality and reliability of the customer's own service and also that of the customer's supplies by the same facilities.
3. An application for changes in the service provided by the City of Leesburg Electric Department shall be made by the customer in the same manner as application for new service.

4. When the customer requests a change in the existing service characteristics, the requirements outlined in Section II-D “Type and Character of Service” shall apply.
5. Services that are to be upgraded or relocated in the City of Leesburg or in the City of Fruitland Park shall be fed from an underground service. Residents in the unincorporated areas of Lake County have the option of having overhead or underground service.
6. When alterations require the relocation of service drop wires, meters, or metering equipment, the customer shall make appropriate advance arrangements with the City of Leesburg Electric Department for the accomplishment of such relocation. Relocation of service attachments shall be approved by the City of Leesburg Electric Department before the customer commences work. When alterations have been satisfactorily completed by the customer, and the necessary inspection approvals obtained, the City of Leesburg Electric Department shall make the connections to provide service.
7. Equipment Removal:
  - a. The City of Leesburg Electric Department shall, upon notification from the customer, remove equipment no longer necessary to provide service.
  - b. The City of Leesburg Electric Department may remove equipment no longer necessary to provide service upon notification to the owner.
8. Before a permit is obtained, it shall be the responsibility of the customer or his agent to ascertain from the City of Leesburg Electric Department that the meter number and service address for which the permit is to be obtained are in agreement with the current records of the City of Leesburg Electric Department.

## **G. RIGHTS AND RESPONSIBILITIES**

1. The City of Leesburg Electric Department shall have the right to enter the premises of the customer at all reasonable hours for the purpose of making such inspection of the customer’s installation, as may be necessary for the proper application of the City of Leesburg Electric Department’s rate schedules and rules and regulations; for installing, removing, testing or replacing its apparatuses or property; for reading meters; and for the entire removal of the City of Leesburg Electric Department’s property in the event of termination of service to the customer for any reason.
2. All property of the City of Leesburg Electric Department installed in or upon the customer’s premises used or useful in supplying service is placed there under the customer’s protection without charge to the City of Leesburg Electric Department. All reasonable care shall be exercised to prevent loss or damage to such property.
3. The customer shall be held responsible for breaking seals, tampering or interfering with the City of Leesburg Electric Department’s meter(s) or other equipment installed on the customer’s premises. No one except authorized employees/agents of the City of

Leesburg Electric Department shall be allowed to make any repairs or adjustments to any meter or other piece of apparatus belonging to the City of Leesburg Electric Department.

#### **H. METER SEAL POLICY**

1. Meter seals shall not be cut or removed by the customer nor shall the meter be pulled unless there is immediate danger to life or property.
2. Meter seals shall not be cut or removed by an electrician.
3. All seals on electric meters, meter cans, sealing rings, or CT cabinets, will be cut by authorized employees of the City of Leesburg Electric Department.
4. If the customer needs a seal cut or removed, he must contact the City of Leesburg Electric Department so an authorized person may be sent to cut the seal.
5. Violation of this policy will result in the following;
  - a. The City shall treat this as a meter tampering under Florida Statute 812.14.
  - b. The Electric Department shall fill out a current diversion field investigation report.
  - c. There will be a copy of the current diversion field investigation report sent to the City of Leesburg Customer Service Department.
  - d. The original current diversion investigation report will be filed in the Meter Department of the Electric Department.

#### **I. REFUSAL OR DISCONTINUANCE OF SERVICE BY THE CITY OF LEESBURG**

The City of Leesburg Electric Department may refuse or discontinue service for certain reasons. Several of these reasons are listed below:

1. Non-payment of bills for electric service.
2. Refusal or failure to make a deposit when requested.
3. Failure to rectify a deficiency or a defect in the customer's wiring or other facilities after receiving notice from the City of Leesburg Electric Department that such condition exists.
4. Unauthorized use of electric energy.
5. Operation of equipment which causes voltage flicker or objectionable service characteristics to other owners.

6. Neglect or refusal to provide safe and reasonable access to the City of Leesburg.
7. Without notice, in the event of tampering with meters or other facilities furnished and owned by the City of Leesburg.
8. Without notice, in the event a hazardous condition is found by the City of Leesburg.

## **SECTION III**

### **SERVICES**

#### **A. GENERAL INFORMATION**

1. All new services in the city limits of Leesburg and Fruitland Park will be fed underground. No new overhead services will be permitted in these two municipalities.
2. Services in the unincorporated areas will have the option of being overhead or underground.
3. All services shall have a main disconnect on the outside at the meter location. On large 3-phase services, a “Shunt Trip” device can be used if the inspecting agency approves.
4. Normally, there shall only be one service voltage available at a location, and only one point of delivery for each building.
5. The point of delivery shall be designated by the City of Leesburg Electric Department.
6. All service entrance facilities, including meter bases, shall be located in an exposed or readily accessible area, on the front 1/3 of the building if possible. (See Figure 2)
7. Residential and commercial building service entrance conductors shall consist of a minimum of three (3) No. 6 copper or equivalent conductors.
8. Aluminum conductors may be installed provided the meter socket is of a type approved for use with aluminum conductors, and corrosion inhibiting compound recommended by the cable manufacturer is properly applied to the meter socket terminals by the electrical contractor. All neutrals shall be insulated.
9. When an existing service entrance using copper conductors is replaced by a service using aluminum conductors, the existing meter socket, if not marked for use with either aluminum or copper conductors, shall be replaced with one approved for aluminum conductors.
10. Service entrance conductors between the City of Leesburg Electric Department source of supply and the customer’s service equipment should be as short as practical, and shall be enclosed in conduit or metallic tubing unless otherwise permitted by local code.
11. Where conduit or metallic tubing is used, fittings with removable covers should be avoided in the service entrance run if possible. If such fittings cannot be avoided, they shall not be concealed.

12. Where a group of customers are serviced from a service raceway, the covers to the raceway and/or pull box shall be provided with a means of sealing by the City of Leesburg Electric Department.
13. Customer load wires shall never be installed in raceways that contain un-metered wires.
14. Grounding:
  - a. All services shall have a grounded neutral.
  - b. Grounds shall be established as required by the National Electrical Code, the authority having jurisdiction, and the City of Leesburg Electric Department.
  - c. All grounds should have a maximum resistance of 25 ohms when measured at the point of delivery and at the meter location.
15. Conductor Marking:
  - a. All neutral conductors shall be clearly marked with a white marker at the point of delivery and at the meter location on the CT Cabinet.
  - b. The “208 volt ground phase” (high leg) of each 120/240, 3-phase, 4-wire service shall be clearly marked with an orange marker at the point of delivery and at the meter location or CT cabinet.
  - c. Phase conductors other than the “high leg” phase shall be clearly marked with color markers at the point of delivery and at the meter location if more than one conductor per phase is used. Colors used for this purpose shall be the option of the electrician but shall be the same color for each conductor of the same phase. Phases are to be marked A, B, and C on CT installations.

## **B. TEMPORARY SERVICE**

1. The City of Leesburg shall be consulted for detailed plans of each installation where temporary service is to be supplied.
2. Installations requiring special service, meter or other work for construction purposes, exhibits of short duration, etc, shall be made at the expense of the customer.
3. Temporary installation of service entrance, other wiring and meters shall be made and inspected in the same manner as permanent installations. Temporary service for construction purposes may be either overhead or underground depending on the available service. Arrangements for temporary construction service are shown in Figures 3, 4, and 5.

4. The temporary service drop or temporary construction wires or cables shall not be tied to the customers permanent panel except for test purposes.
5. All temporary service poles shall be grounded per local codes.

### C. OVERHEAD SERVICES

1. No new overhead services will be allowed in the city limits of Leesburg or Fruitland Park. New overhead services will be allowed in the unincorporated areas of Lake County.
2. It is the customer's responsibility to provide a suitable support for attachment of the service drop conductors. This support shall be capable of withstanding a continuous force of 200 lbs. in the direction of the service drop.
3. A minimum of three (3) feet of service entrance wire shall be left projecting from the weatherhead for connection to the service drop. The conductors shall be marked for phase identification at a point one foot outside of the weatherhead. See Section III-A-15 for marking requirements.
4. Where the installation involves more than one service riser, it is the responsibility of the customer to connect the conductors from each riser together. The City of Leesburg Electric Department shall provide only one connection per phase.
5. Unless otherwise required by local authorities and/or the "National Electrical Safety Code", the point of attachment of the service drop conductors shall be located by the customer so as meet or exceed the minimum clearances shown in Figure 6 and as noted below.

**Minimum Clearances of Service Drop Cables**  
(open wire service drops may require additional clearances)

Above roads, streets, alleys, parking lots, commercial and industrial driveways subject to truck traffic	18'
Above residential driveways	15.5'
Above space accessible to pedestrians only	12'
Above or below balconies accessible to pedestrians	11'
Above or below balconies <u>not</u> accessible to pedestrians	3.5'
Horizontal to any structures	5'
Swimming Pools(shall meet the "National Electrical Code")	22'
<i>All Measurements are in Feet.</i>	

6. Driveways, where vehicular traffic may pass under service wires, shall maintain the minimum clearances from ground to service wires required for roads, streets, alleys, and parking lots in the above table. For further details, items, and definitions not covered above, refer to the “National Electrical Code” and the “National Electrical Safety Code”.
7. For service to mobile homes or manufactured housing, refer to Figures 7 and 8.
8. Where local inspecting authorities accept mobile homes or manufactured housing as a permanent installation, refer to Figures 9 and 10, whichever may apply.
9. Risers in excess of 72” above rooflines shall be accessible by City of Leesburg Electric Department bucket trucks.
10. The Customer may be charged a “Contribution-in-aid of Construction” for any cost incurred by the City of Leesburg Electric Department as a result of relocation or repair to City of Leesburg Electric Department facilities necessitated by grade changes, additions, swimming pools, etc.

#### **D. UNDERGROUND SERVICES**

1. General.
  - a. All new services in the Leesburg city limits and the city limits of Fruitland Park shall be underground services. Services in the unincorporated areas of Lake County will have the option of being overhead or underground, depending on the facilities that are currently installed.
  - b. The customer may be charged for installing underground service. These charges will be based on the individual job and the type of work to install the service.
  - c. The customer may be charged a “Contribution-In-Aid of Construction” for any cost incurred by the City of Leesburg Electric Department as a result of relocation or repair of the Electric Department facilities necessitated by grade changes, additions, swimming pool, etc.
  - d. Buried underground services shall maintain a minimum of 5 feet from the water’s edge of a swimming pool, or greater, as required by the “National Electrical Code”, the “National Electrical Safety Code”, or local authorities.
  - e. Some jurisdictions may require special permitting as to the routing of the underground cable.
  - f. Customer service conductors within padmounted transformers may be cut and shaped by the Electric Department to make connection to the point of service. Reasonable effort shall be made to keep the length of conductors of the same phase equal in length.



- g. Any obstruction (on the wall, footer, etc) which prevents installation of the City of Leesburg Electric Department's conduit shall be removed by the customer.

## 2. Residential Services.

- a. All residential underground distribution, including services shall be installed under the current policies set forth by the City of Leesburg Electric Department.
- b. Normal service voltage shall be 120/240 volt, single-phase, and 3-wire. Three-phase, 4-wire service shall be provided only if the provisions of Section II-D have been met. In large multi-story developments, service voltage may be 120/208 volt, single-phase, 3-wire, at the option of the City of Leesburg Electric Department., to the individual residential customer.
- c. The customer shall request the City of Leesburg Electric Department to designate the point of delivery for each service location before construction is started.
- d. Special routing may incur additional cost to the customer.
- e. Any conduit risers installed by the customer for the City of Leesburg Electric Department shall have 24 inch radius bends, and shall extend 3 feet below grade, and be at least 5 feet away from building.

## 3. Commercial and/or Industrial Services.

- a. All commercial and industrial underground services shall be installed under the terms set forth by the City of Leesburg Electric Department.
- b. Normal service voltages are; 120/240 volt single-phase, 3-wire; 120/208 volt, 3-phase, 4-wire; and 277/480 volt, 3-phase, 4-wire. In certain areas 120/208 single phase, 3-wire services may be available. Service voltage of 120/240 volt, 3-phase, 4-wire, shall **NOT** normally be available with underground service. It is important that the customer contact the City of Leesburg Electric Department field engineers to determine the voltage that is available at a desired service location before construction is started.
- c. The designated point of delivery may be in a City of Leesburg Electric Department distribution box or in a padmount transformer. The customer shall leave a minimum of five (5) feet of the service entrance conductors in position for connection by the City of Leesburg Electric Department, unless a shorter length is approved for a specific installation. The conductors shall be marked for phase identification both at the end of the conductors and at the point one foot outside of the conduit. See Section III-A-15 for marking requirements.
- d. Co-generation interconnections to secondary networks shall not be permitted.

- e. Commercial services will be brought to a service point selected by the City of Leesburg. This may be to pole, padmounted transformer, pedestal, or handhole box.

## **SECTION IV**

### **METERING INSTALLATIONS**

#### **A. GENERAL REQUIREMENTS**

1. The City of Leesburg shall furnish and connect all meters, instrument transformers, and meter control wiring necessary to complete the meter installation.
2. For proper selection of metering equipment, it is the customer's responsibility to furnish the Electric Department specific information such as: type of service (OH or UG), service voltage(s), main line switch amperes (service size), maximum demand amperes, and the number and size of the customer's service entrance conductors.
3. The customer shall furnish and install the necessary meter socket(s), equipment for CT installations and other equipment. For CT installations, see Section IV-D.
4. On single-phase services, where the anticipated demand current does not exceed 320 amperes, as determined by the Electric Department, a self contained meter socket shall be used.
5. Single-phase services over 320 amperes see Section IV-D.
6. Three phase services over 225 amperes see Section IV-D.
7. On installations involving more than one meter on a single building, the following guidelines apply:
  - a. The customer shall purchase and use single meter equipment for group installations as shown in Figures 11 and 12.
  - b. The customer shall purchase and use group meter equipment as described in Section IV-B and shown in Figures 13 and 14.
8. Where more than one set of line side conductors from single or ganged sockets terminate in a trough in which the City of Leesburg Electric Department terminates from an underground service, the customer shall make the necessary connections in the trough to allow the Electric Department to terminate one set of conductors or bus. The trough shall be large enough to accommodate the customer's and the Electric Department's conductors and connectors and shall be sealable and lockable.
9. Each meter socket shall be identified on the outside front by an aluminum or plastic plate a minimum of ¾" high, 1 ½" wide and 1/16" thick, with letters a minimum of ¼" high engraved or stamped to indicate the apartment number, office suite, lot number, etc. The plate shall be riveted to the meter base. Glued plates shall not be used.

10. The inside of each meter base shall be identified with a plate described above, or with oil base paint.
11. The address on the building or service location shall be permanently and prominently displayed and visible from the street, as required by the authority have jurisdiction.
12. Not more than one conductor shall be installed in a single terminal in any meter cabinet, trough or pedestal. Conductor strands shall not be cut in an effort to fit conductors into terminals.
13. Proper clearance for all line side conductors shall be left inside meter sockets and/or cabinets by the customer.

## **B. OTHER CUSTOMER PURCHASED EQUIPMENT**

1. Any customer owned devices associated with the housing of Electric Department owned metering equipment shall be for the exclusive use of the City of Leesburg Electric Department, and conform to the physical and electrical requirements listed in this section and shown in the appropriate figures. The following requirements are based on safety for Electric Department employees, adequate line service connections and grounding, mounting stability, and security from unauthorized energy use:
  - a. The device shall be manufactured to Underwriters Laboratories, Inc. Standard 414 or NEMA Standard MSJ-7 and/or certified by a nationally recognized electric testing laboratory. Certification shall be stamped or labeled on the device.
  - b. Provision shall be made for grounding as required by the “National Electrical Code” and the Authority having jurisdiction and for bonding the neutral to the enclosure.
  - c. The device shall be labeled with the manufacturer’s name, catalog number, electrical rating for volts and amps, and service and load terminal wire size range for copper and aluminum wire.
  - d. The terminal screws on connectors shall have a hex head 5/16” or ½” across the flats or UL approved screw type connectors, or in accordance with the authority having jurisdiction.
  - e. The service and meter compartments shall provide for locking and sealing by the Electric Department. The Electric Department reserves the right to modify the customer owned equipment for safety and security purposes.
2. Customer owned meter centers and pedestals shall conform to the requirements of paragraph one above and the following additional requirements:
  - a. The line and load compartments shall be separated by a stable barrier.

- b. The line compartment shall provide for padlocking.
  - c. The pedestal top shall be fastened so as not to allow easy access to line terminals or us.
  - d. The load wiring from the pedestal shall not inhibit entrance to the service compartment.
  - e. Metal pedestals shall have adequate coating on the burial portion for permanent and complete protection from corrosion. Wood is not permissible.
  - f. When a direct burial pedestal is installed, the meter pedestal shall be rigid enough to withstand forces applied when meters are installed and/or removed.
- 3. The customer shall be responsible for all maintenance of meter sockets and related facilities.
  - 4. Customer purchased commercial and residential meter centers shall be approved prior to use. Equipment not meeting the City of Leesburg Electric Department's specifications shall not be energized. Please contact the Meter Department with the manufacturer's name and model number to request approval.

### **C. METER LOCATION**

- 1. The location of meters is an important consideration to both the City of Leesburg Electric Department and the customer. The Electric Department shall always be consulted and shall endeavor to select a location that shall be most suitable to both parties.
- 2. Figures 1 through 18 show typical meter installations. In unusual cases, the Electric Department shall be consulted.
- 3. Meters shall be located on the building in a place where they shall be protected from mechanical damage. The customer shall be responsible for providing this protection.
- 4. Meter sockets and enclosures shall be securely mounted in a plumb and level position on a solid wall or structure. The customer shall be responsible for securely fastening the meter base in order to withstand the normal forces required to routinely remove and install the meter.
- 5. Meter sockets shall not be recessed or framed in any way that blocks access, knockouts or drainage.
- 6. The center of the meter shall not be more that 6 feet maximum or less than 4 feet minimum from the ground (final grade) or floor unless otherwise noted in drawings shown in this booklet.

**EXCEPTION:** In areas where the requirements mandate that the meter is located above 6' from grade, ready and permanent accessibility to the meter shall be supplied for reading and testing.

7. A clear space at least 30" from the front of all meter sockets shall be maintained from grade to 6' 6" height, minimum of 36" wide (18" on each side of center line of meter socket) to allow easy and safe access for reading and testing. This will be enforced on all existing and new installations.
8. Commercial metering shall normally be installed outdoors. Exceptions to this must be approved by the field engineers prior to installation.
9. Meters for single family residences shall always be located outdoors and shall normally be on the front 1/3 of a side wall, or on the front wall, and shall not be enclosed by a fence. Meters shall not be located in areas such as carports, open porches, swimming pools, etc. which are susceptible to subsequent enclosures by walls or screens. Any deviation shall be approved in writing by an authorized City of Leesburg Electric Department employee.
10. In the event a meter area is later enclosed or otherwise made inaccessible or unsafe, the customer shall, at his expense, have the meter facilities moved to a readily accessible outside location.
11. Meter installations should, whenever possible, be outside. However, they may be grouped together in a meter room furnished by the customer provided the following requirements are met:
  - a. Meter rooms should normally be located on the first floor. At the option of the Electric Department, however, they may be located on various floors at mutually agreeable centralized locations.
  - b. The Electric Department shall have access to the meter rooms at all times for reading, testing, and servicing the equipment. When meters are located in areas that can be locked, the customer shall make arrangements such that the Electric Department shall have access to the meters at all times.
  - c. Meters installed inside shall be in a clean, dry, lighted, safe place; and be easily accessible at all times. They shall not be located in restrooms, dressing rooms, bedrooms, kitchens, ventilating or elevator shafts, boiler rooms, laundry rooms, hallways, etc. They shall not be installed near belts or other moving machinery endangering the safety of those doing work near the meter.
  - d. Adequate space, lighting and access shall be provided as defined in consultation with the Electric Department as the facilities are planned. Using meter rooms for storage or other purposes which cause degradation in ease of access or adequacy of workspace shall not be allowed.

- e. Failure to maintain a safe and accessible location for all meters shall require that they be relocated to an appropriate location at the customer's expense

#### **D. INSTRUMENT TRANSFORMER INSTALLATIONS**

1. The use of current transformers shall be determined by the City of Leesburg Electric Department.
2. It is very important to both the City of Leesburg Electric Department and the customer that the instructions and construction details shown in Figures 17-19 be followed closely on all instrument transformer installations.
3. The facilities necessary for instrument transformer installations shall be provided and installed as described below:

The customer shall provide and install all inter-connecting raceways or conduits. All such conduits or raceways shall be a minimum of 1 ½" in diameter and a maximum of 30 feet in total length unless otherwise approved by the meter department. For installations entirely or partially below ground, 1 ½" inch minimum schedule 40 PVC conduit shall be used. For installations entirely above ground, 1 ½" minimum schedule 40 PVC or metallic conduit may be used.

- a. The instrument transformers and enclosures:
    - i. The customer shall provide and install the enclosure for the instrument transformers.
    - ii. The Electric Department shall provide the meter enclosure and instrument transformers and shall install the instruments. See Figure 24 for instructions on picking up any metering equipment supplied by the city.
  - b. The Electric Department shall provide and install the instrument Transformer secondary wiring and meter.
  - c. The Customer shall not terminate nor splice his conductors within the CT enclosure unless directly to the line side of conductors or devices. When attachment is necessary, a suitable insulated connector shall be supplied by the customer, leaving space for attachment to the line side of the conductors.
4. Instrument transformer installations are usually made by one of four means, each of which requires coordination between the customer and the City of Leesburg Electric Department.
    - a. Outdoor current transformer enclosures are normally used when the customer receives either overhead or underground service. See Figures 17 and 18.

- b. Existing services, which have wall mounted or riser mounted overhead current transformer cabinets shall continue to be serviced. Additions to existing services shall be permitted, but when services are totally rebuilt, they shall be converted to outdoor wall mounted CT enclosures. When additions are made to existing services, contact a Field Engineer with the Electric Department for installation requirements.
- c. Instrument transformer installations in transformer vaults and pad mounted transformers are applicable only where the vault or transformer provides service for a single customer at a single rate. In these cases, the following requirements apply:
  - i. Meters shall not be located inside the transformer vault.
  - ii. Written approval from the field engineer shall be obtained prior to the installation of instrument transformers in vaults or switchgear.
  - iii. Necessary meter wiring shall be installed by the City of Leesburg Electric Department.
  - iv. Potential transformers shall not be installed in a pad mounted transformer.
  - v. Customer owned current transformers are not permitted on City of Leesburg Electric Department padmounted transformers.
- 5. A clear space at least 48" from the front of all instrument transformer enclosures shall be maintained from grade to 6'6" height, minimum of 36" wide (18" on each side of center line of meter socket) to allow easy and safe access for reading and testing. This will be enforced on all existing and new installations.
- 6. Procedure to pick up meter can and schedule installation of CT's
  - a. Present warehouse personnel with electrical permit. The warehouse is located at 2010 West Griffin Road, Leesburg, Florida
  - b. Request proper meter can (8 or 13 terminal).
  - c. Call the meter department at 352-728-9883 to schedule installation of CT's.

#### **E. SURGE ARRESTORS**

- 1. Surge arrestors may be installed on self contained meter sockets.
- 2. Surge arrestors shall not be installed on City of Leesburg Electric Department owned equipment.



## **SECTION V**

### **EQUIPMENT VAULTS**

#### **A. GENERAL REQUIREMENTS**

1. In a few situations, it may be necessary or convenient to install City of Leesburg Electric Department owned transformers and/or related equipment in a vault inside a Customer's building. In such cases, The customer shall consult with the City of Leesburg Electric Department before plans are made concerning the vault.
2. The vault shall be constructed in compliance with City of Leesburg Electric Department requirements; the "National Electric Code", the "National Electric Safety Code" and such local requirements as may be in force.
3. The vault shall not contain any customer owned equipment for building service facilities such as: secondary fuses, switches, meters, load control equipment; gas, oil, steam, or water pipes; or ventilation ducts other than those required by the City of Leesburg Electric Department.
4. Fire sprinkler systems shall not be installed in City of Leesburg Electric Department equipment vaults unless specifically required by local authorities.
5. The vault and its contents shall be under the supervision of the City of Leesburg Electric Department, and shall have provisions for locking and security sealing by the City of Leesburg Electric Department. Unauthorized persons shall not be permitted to enter vaults.

#### **B. CUSTOMER RESPONSIBILITIES**

1. The customer shall provide and own the following facilities for use by the City of Leesburg Electric Department:
  - a. Equipment vault sized and built in accordance with City of Leesburg Electric Department requirements.
  - b. All facilities required to provide natural or forced ventilation determined necessary by the City of Leesburg Electric Department.
  - c. All conduits within the building for the Electric Department's facilities, including primary and/or secondary conductors. Such conduits shall extend 5 feet beyond the outside building wall to a point designated by the City of Leesburg Electric Department.

2. The customer shall provide properly executed easements on the City of Leesburg forms for all facilities installed on the customer's property.

**C. THE CITY OF LEESBURG ELECTRIC DEPARTMENT RESPONSIBILITIES**

1. The City of Leesburg Electric Department shall determine the physical requirements for each vault, including minimum size, ventilation, lighting and conduits. The Electric Department shall endeavor to work closely with the customer so that the needs of the Electric Department and the desires of the customer are considered in the design and construction of the vault(s).

## **SECTION VI**

### **CUSTOMER UTILIZATION EQUIPMENT**

#### **A. GENERAL**

1. The City of Leesburg builds and maintains adequate lines to supply proper service to all customers using normal equipment. However, since equipment installed by one customer may very materially affect the adequacy and continuity of service to other customers, and because the misuse of some equipment might constitute a fire hazard or endanger life, the City of Leesburg has established regulations covering the more common installations of utilization equipment.
2. The city of Leesburg Electric Department specifies only such requirements as are necessary to safeguard both the customer and the City of Leesburg Electric Department to the end that service may be rendered with a maximum of safety and minimum of interruption or disturbance. The customer should consult the Electric Department for additional details on special equipment which may not be covered in this booklet.
3. Available fault current shall be taken into consideration when specifying service entrance equipment. It is important that the customer contact the field engineer's office for the value of available fault current.
4. Protection of equipment against loss of voltage, under-voltage, transient voltage or sustained over voltage, voltage unbalance, over current, phase failure, phase reversal, loss of synchronism, harmonics and short circuit is the responsibility of the Customer.
5. To protect the property of the customer and the City of Leesburg Electric Department, the customer shall not overload or over-fuse the building's service or branch circuits.

#### **B. SINGLE PHASE AIR CONDITIONERS/HEAT PUMPS**

1. Air conditioners and heat pumps are treated separately from other motor loads. This is because the standard design of the electric distribution system includes capacity for their addition. The cost of the facilities is based on a starting current of 30 amps per ton.
2. Where these units are connected to a single phase 240 volt supply, the starting current shall not exceed the values listed below.

Size (ton)	Btu/h	Starting amps @240 volt & 95p.f.
1	12,000	30
1.5	18,000	45
2	24,000	60
3	36,000	90
4	48,000	120
5	60,000	150

NOTE: If necessary, starting kits should be used to reduce starting currents to the above limits and shall be part of the original installation (if the starting current exceeds these limits consult with the City of Leesburg Electric Department field engineers).

### **MOTOR STARTING REQUIREMENTS GUIDE**

<b>TYPE OF MOTOR OPERATION</b>	<b>MULTIPLE CUSTOMERS FROM SINGLE TRANSFORMER AND SECONDARY LINES</b>	<b>MULTIPLE CUSTOMERS FROM SINGLE TRANSFORMER</b>	<b>NETWORK SERVICE</b>	<b>SINGLE CUSTOMER SERVICE</b>
<b>Continuous motor operation (one start per day)</b>	<b>Locked rotor current less than 100% of transformer full load current</b>	<b>Locked rotor current less than 150% of transformer full load current</b>	<b>Locked rotor Current less than 200% of service opacity</b>	<b>Locked rotor current less than 200% of transformer full load current</b>
<b>Cycling operation to 10 Min/cycle</b>	<b>Locked rotor current less than 75% of transformer full load current</b>	<b>Locked rotor Current less than 100% of transformer full load current</b>	<b>Locked rotor current less than 150% of service opacity</b>	<b>Locked rotor current less than 200% of transformer full load current</b>
<b>Cycling operation to 1 min/cycle</b>	<b>Locked rotor current less than 50% of transformer full load current</b>	<b>Locked rotor current less than 75% of transformer full load current</b>	<b>Locked rotor current less than 75% of service opacity</b>	<b>Locked rotor current less than 200% of transformer full load current</b>
<b>Cycling operations less Than 1 min/cycle</b>	<b>Locked rotor current less than 25% of transformer full load current</b>	<b>Locked rotor current less than 25% of transformer full load current</b>	<b>Locked rotor current less than 50% of service opacity</b>	<b>Locked rotor current less than 100% of transformer full load current</b>

### **C. MOTORS**

1. Residential and commercial customers located in predominately residential services shall normally be provided with single-phase service. Three-phase service availability is discussed in Section II-D of this booklet.
2. All motors which cannot be safely restarted should be provided with a device to insure that the motor shall disconnected from the line, or the starting device returned to the "off" position, whenever there is a failure in supply of the voltage. To prevent unnecessary shutdown, it is recommended that this device be equipped with a time delay feature so it shall not function unless required.
3. When a customer's motor starting causes objectionable flicker to other customer's, the Electric Department shall require installation of devices such as reduced voltage or part winding starters to limit starting inrush currents to values that shall reduce the flicker to acceptable levels.
4. When the customer's own voltage stability requirements permit and where full voltage starting is mechanically and electrically suitable for the customer's motors and equipment, the preceding table is used as a guide for the motor starting inrush that is generally acceptable.

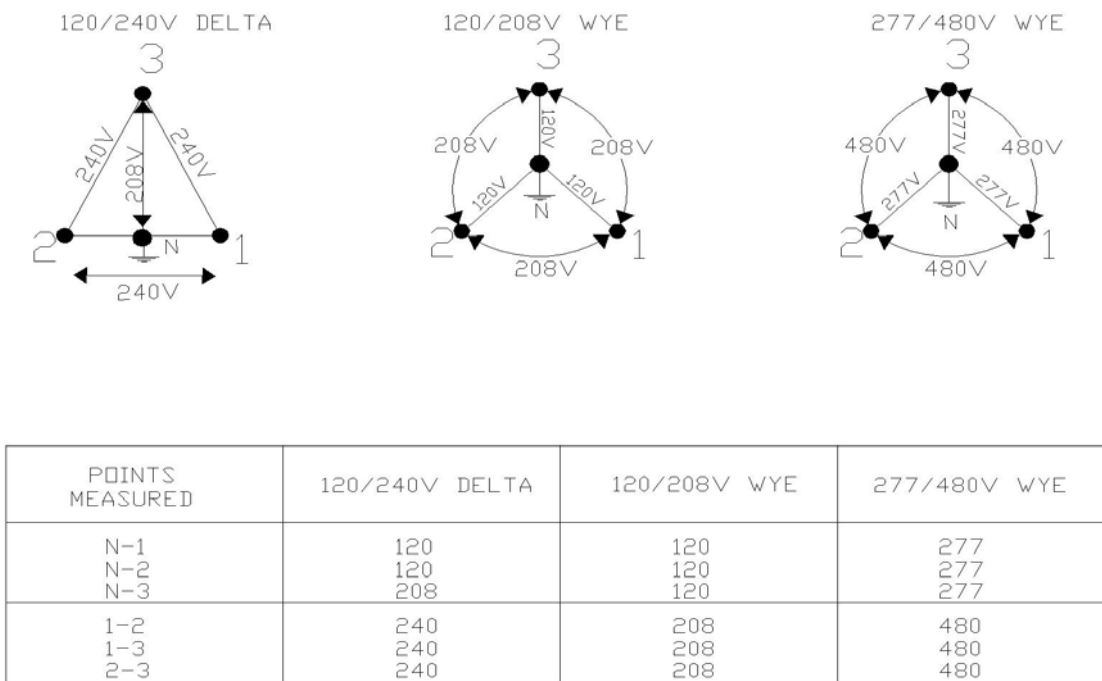
#### **D. SPECIAL EQUIPMENT**

1. Due to the very severe operating characteristics of such equipment as electric welders (particularly of the transformer type), furnaces, X-ray machines and radio and television broadcasting stations, the customer shall apply to the City of Leesburg Electric Department for approval to use such equipment before installation is made.
2. When the operation of any equipment is detrimental to satisfactory operation of the City of Leesburg Electric Department's distribution system, the Electric Department shall require the installation of special equipment such as lines and transformers at the expense of the customer.
3. When a customer generates an unacceptable level of harmonic distortion, the customer shall, at his expense, be required to install equipment necessary to reduce this distortion. If non-linear loads are greater than 500KVA, or greater than 15% of the total load, contact the City of Leesburg Electric Department for specific requirements prior to placing these loads in service. Customer compliance with the IEEE 519 recommended practice is required. Examples of non-linear loads include; silicon controlled rectifiers, rotary phase converters, power supplies, variable speed motors, transformers, personal computers, laser printers, etc.
4. Emergency and standby generators shall be connected such that no back feed can occur through the service entrance. Standby generators that energize the City of Leesburg Electric Department's system shall require a contract specifying administration procedures, operating procedures, safety equipment, and cost responsibility.
5. The City of Leesburg Electric Department does not guarantee computer grade electrical service. The City of Leesburg should be contacted to determine what auxiliary equipment is needed to supply this service.

## **SECTION VII**

### **FIGURES**

<b>Figure #1</b>	<b>Standard Three-Phase Voltages</b>
<b>Figure #2</b>	<b>Typical Meter Location</b>
<b>Figure #3</b>	<b>Overhead Temporary Service</b>
<b>Figure #4</b>	<b>Underground Temporary Service</b>
<b>Figure #5</b>	<b>Overhead Temporary Service Fed by Underground</b>
<b>Figure #6</b>	<b>NESC Clearances</b>
<b>Figure #7</b>	<b>Typical Mobile Home Underground Service</b>
<b>Figure #8</b>	<b>Typical Mobile Home Overhead Service</b>
<b>Figure #9</b>	<b>Typical Overhead Service</b>
<b>Figure #10</b>	<b>Typical Underground Service</b>
<b>Figure #11</b>	<b>Typical Installation Group Metering without Disconnect</b>
<b>Figure #12</b>	<b>Typical Installation Group Metering using Single Meter Bases with Main Disconnect</b>
<b>Figure #13</b>	<b>Typical Residential Single-Phase Gang Meter Socket</b>
<b>Figure #14</b>	<b>Typical Multi Unit Meter Center with Grouped Load Breaker Panel</b>
<b>Figure #15</b>	<b>Typical Single-Phase Underground Service</b>
<b>Figure #16</b>	<b>Typical Single-Phase Overhead Service</b>
<b>Figure #17</b>	<b>Overhead CT Installation</b>
<b>Figure #18</b>	<b>Underground CT Installation</b>
<b>Figure #19</b>	<b>Padmounted Transformer CT Installation</b>
<b>Figure #20</b>	<b>Transformer Pad Specifications</b>
<b>Figure #21</b>	<b>New Service Work Flow Diagram</b>
<b>Figure #22</b>	<b>Overhead to Underground Conversion Work Flow Diagram</b>



STANDARD THREE PHASE SERVICE VOLTAGES

FIGURE #1

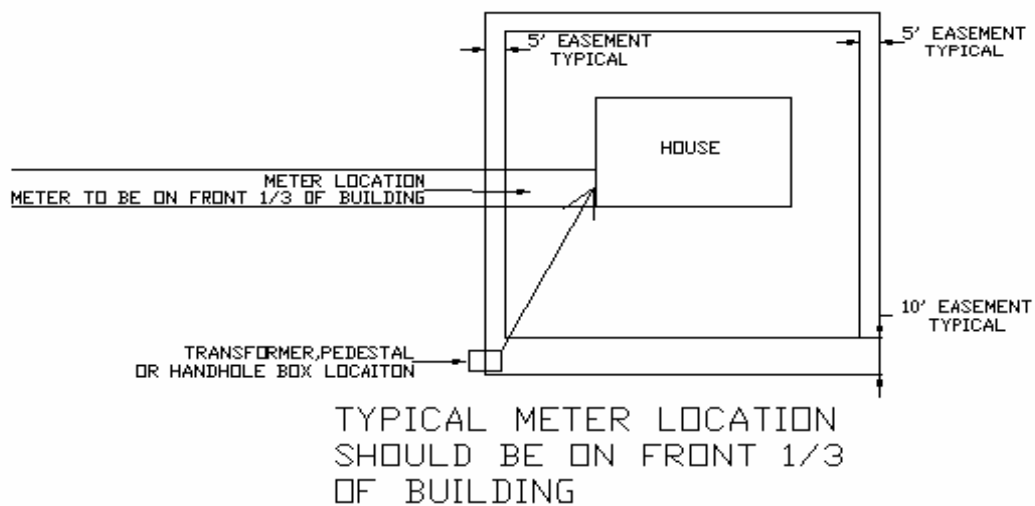
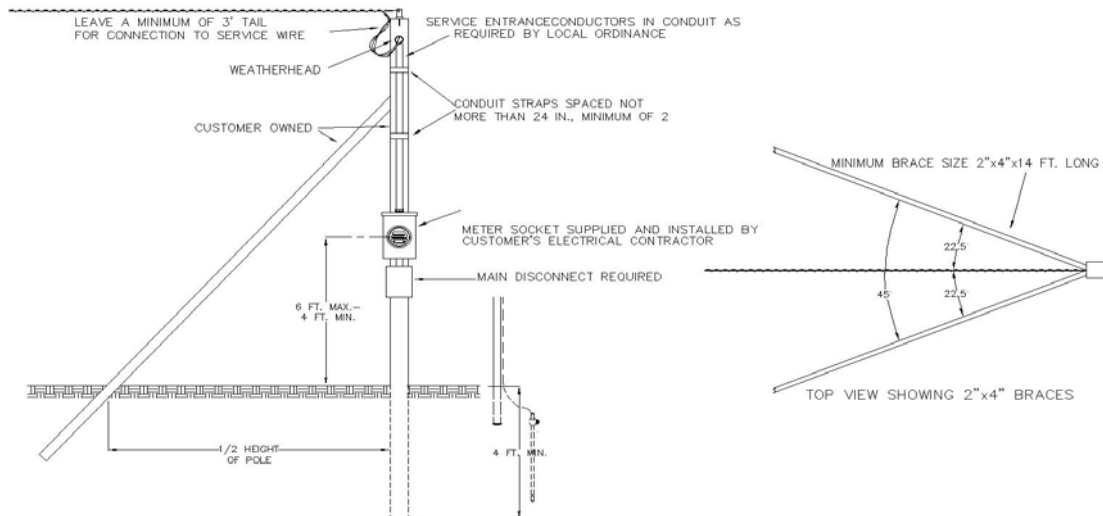


FIGURE #2

## OVERHEAD TEMPORARY SERVICE



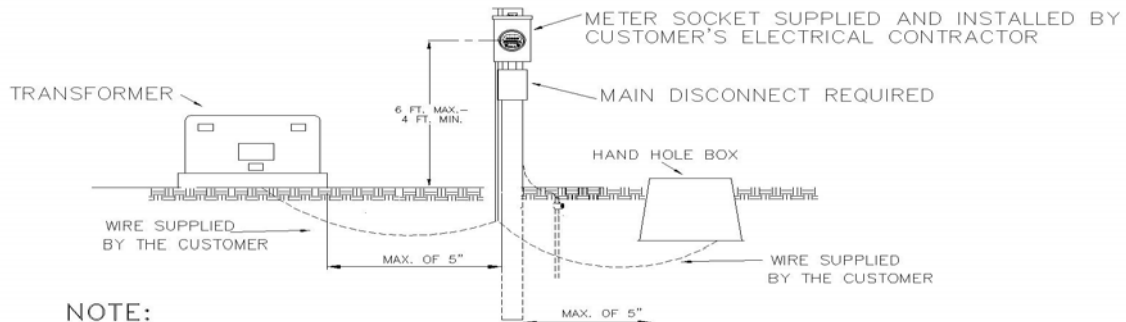
### NOTE:

POLE MUST BE SUFFICIENTLY RIGID AND/OR BRACED TO WITHSTAND 200 POUNDS PULL AT THE TOP.

CUSTOMER MUST PROVIDE ADEQUATE GROUNDING OF FACILITIES IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.

POLES WITH A 100 AMP, SINGLE PHASE DISCONNECT MAY HAVE A MAXIMUM SERVICE DROP OF 80 FT. LENGTH; 101 - 200 AMP, SINGLE PHASE DISCONNECT MAY HAVE A MAXIMUM SERVICE DROP OF 60 FT. LENGTH. FOR ALL THREE PHASE TEMPORARY SERVICES, THE COMPANY'S ENGINEERING DEPARTMENT MUST BE CONTACTED.

FIGURE #3



### NOTE:

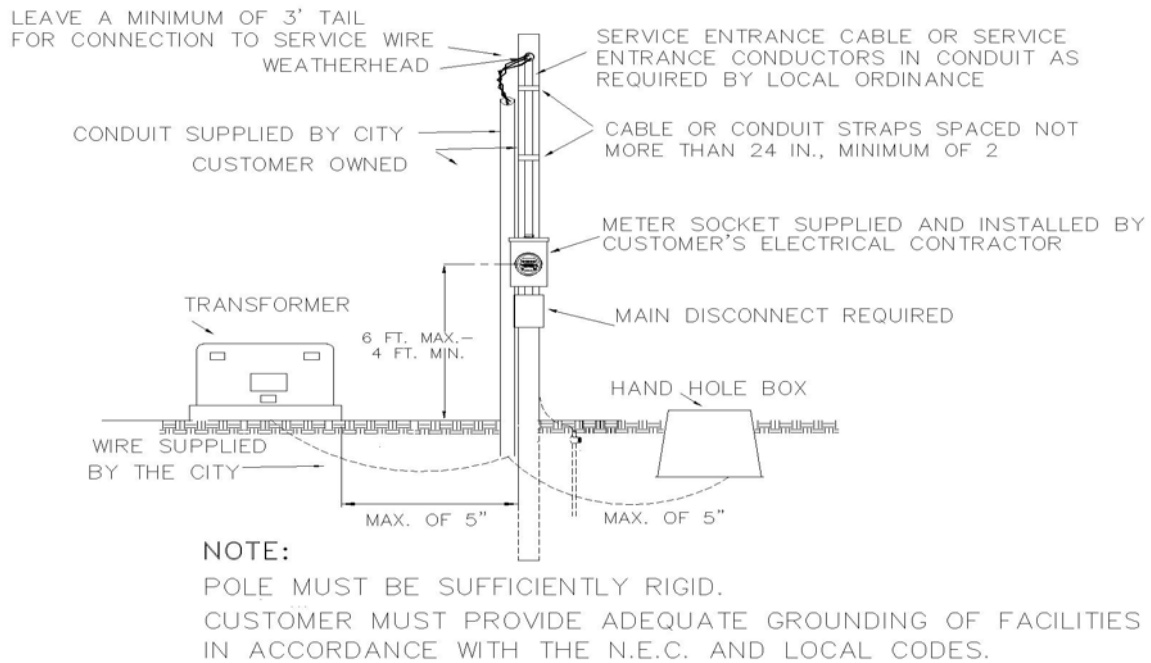
CUSTOMER MUST PROVIDE ADEQUATE GROUNDING OF FACILITIES IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.

### NOTE:

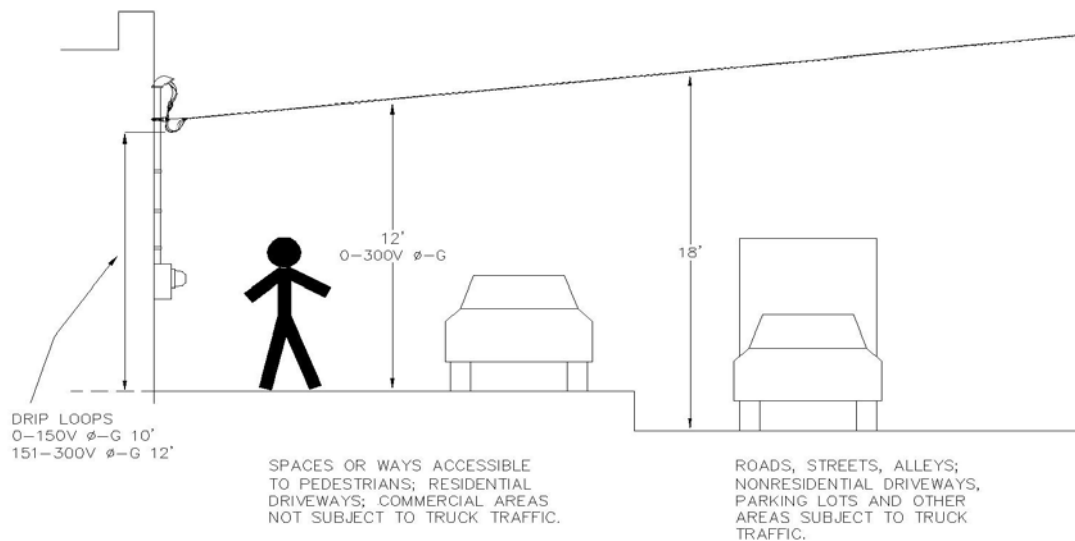
CUSTOMER MUST LEAVE 10FT OF WIRE TO MAKE CONNECTIONS

FIGURE #4



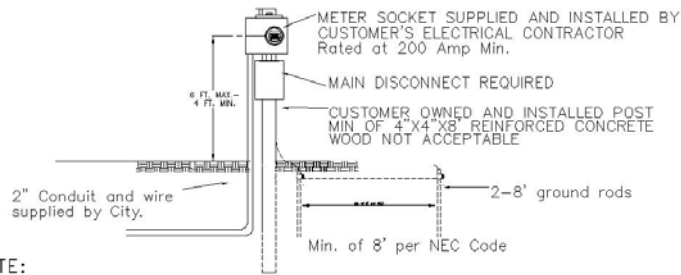


**FIGURE # 5**



**FIGURE #6**

# SINGLE MOBILE HOME SERVICE WITH UNDERGROUND SERVICE



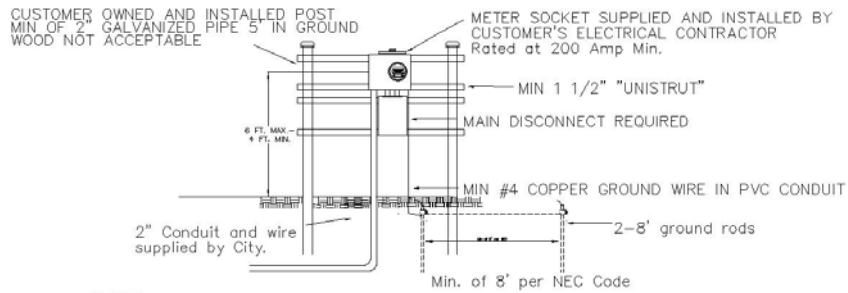
## **NOTE:**

CUSTOMER MUST PROVIDE ADEQUATE GROUNDING OF FACILITIES IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.

## **NOTE:**

OUTSIDE MAIN DISCONNECTS REQUIRED ON ALL SERVICES

# SINGLE MOBILE HOME SERVICE WITH UNDERGROUND SERVICE



## **NOTE:**

CUSTOMER MUST PROVIDE ADEQUATE GROUNDING OF FACILITIES IN ACCORDANCE WITH THE N.E.C. AND LOCAL CODES.

## **NOTE:**

OUTSIDE MAIN DISCONNECTS REQUIRED ON ALL SERVICES

**FIGURE #7**

## OVERHEAD MOBILE HOME SERVICE

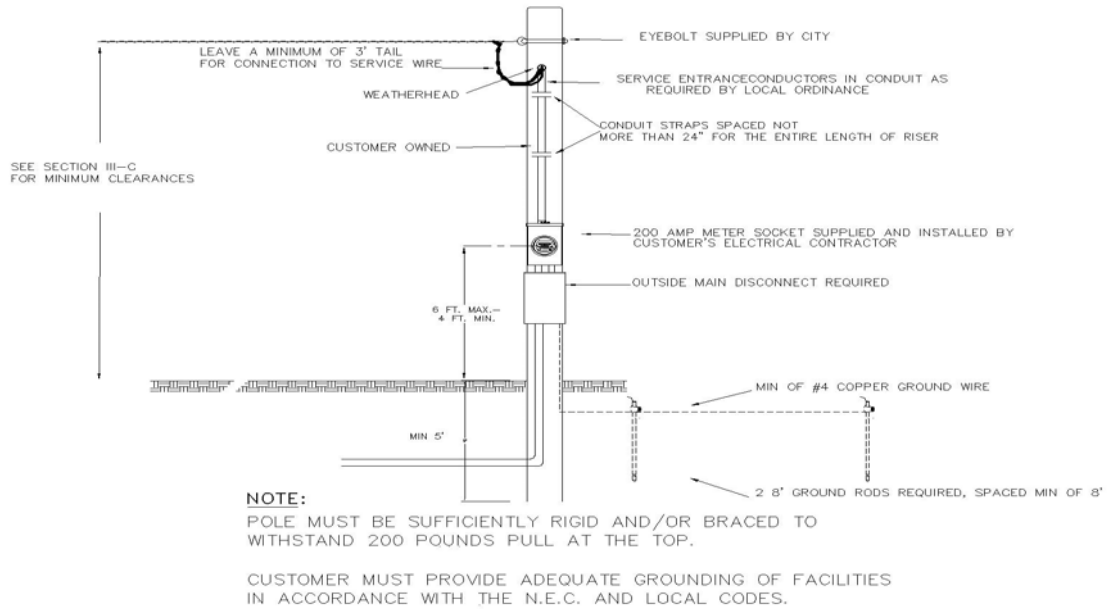


FIGURE #8

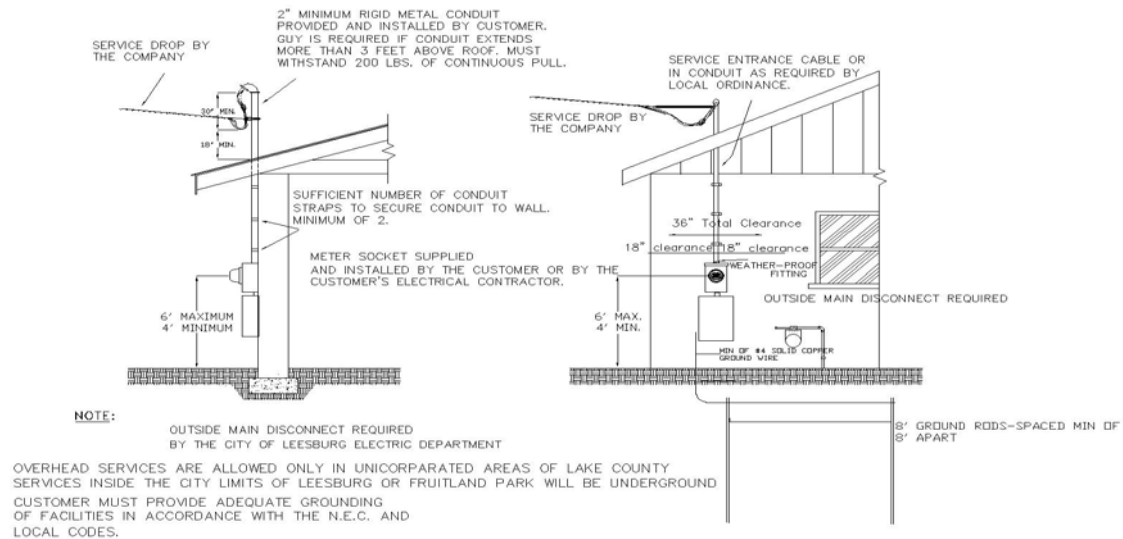


FIGURE #9

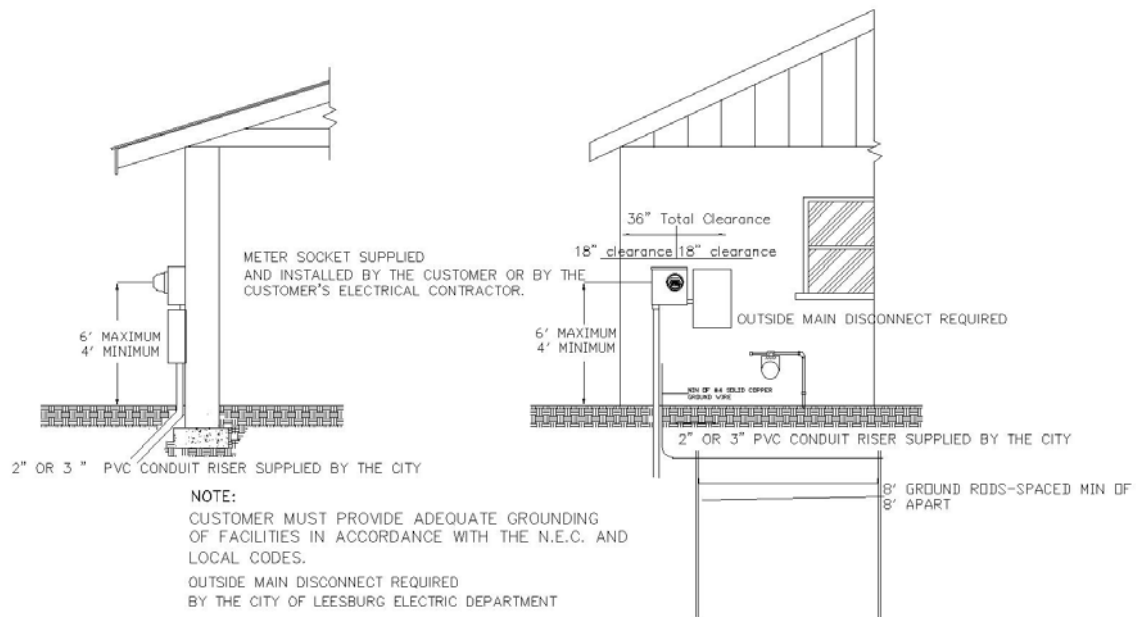


FIGURE #10

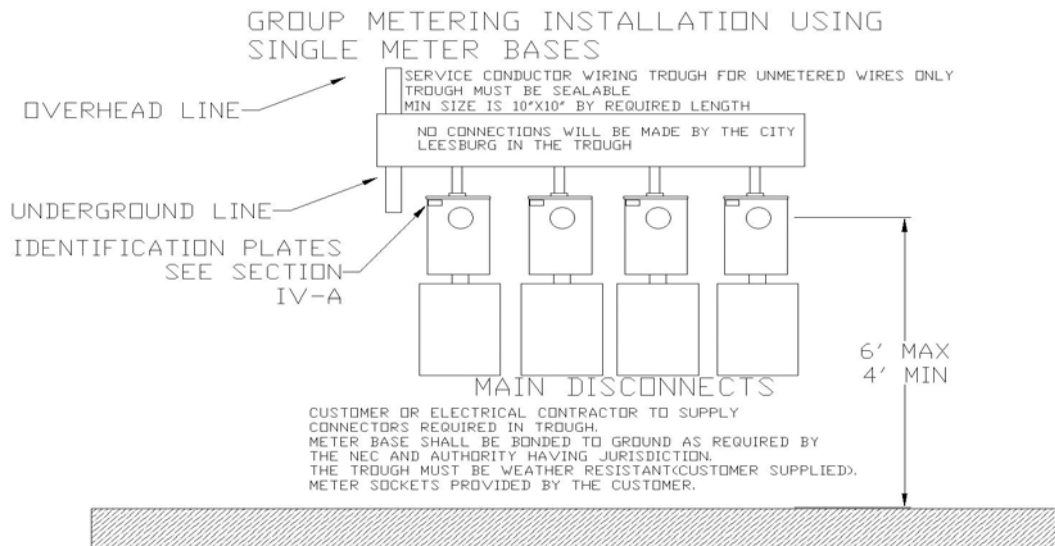


FIGURE #11

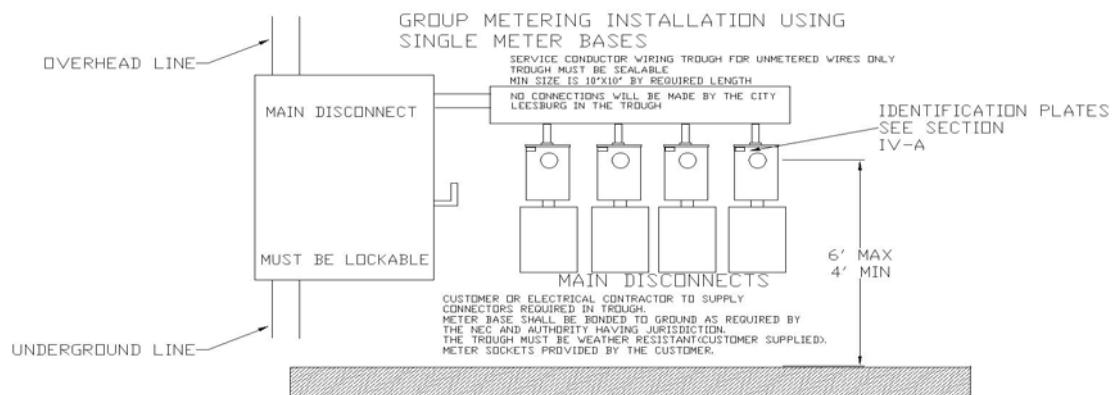


FIGURE #12

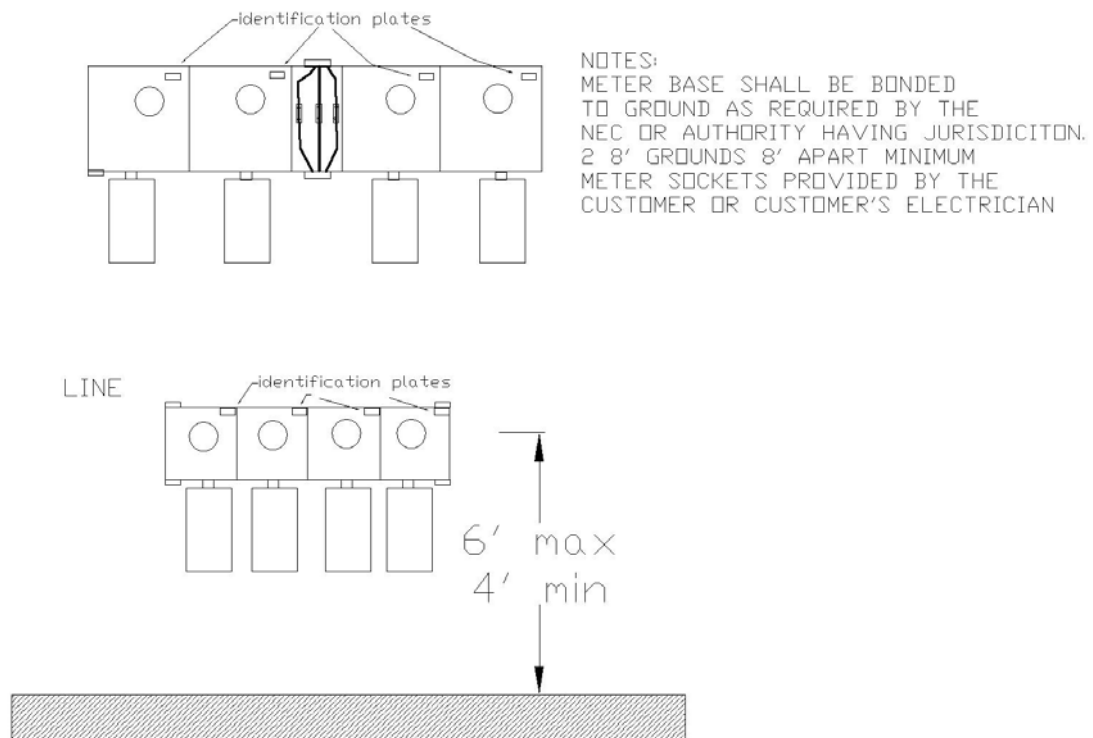
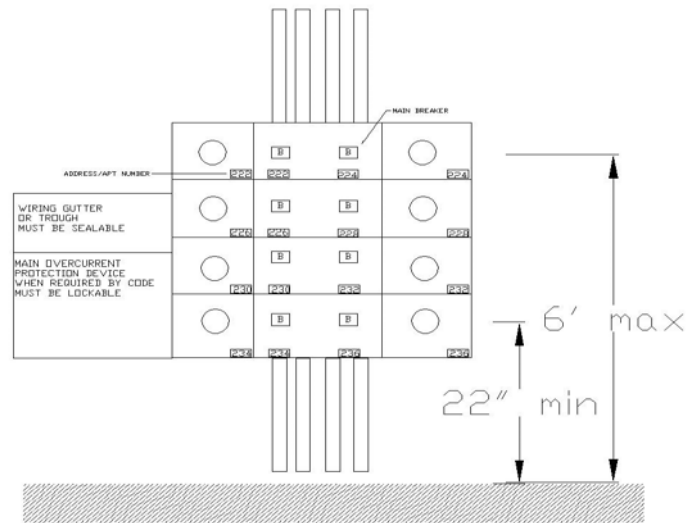


FIGURE #13



NOTES:  
 METER BASE SHALL BE BONDED  
 TO GROUND AS REQUIRED BY THE  
 NEC OR AUTHORITY HAVING JURISDICTION.  
 2 8' GROUNDS 8' APART MINIMUM  
 METER SOCKETS PROVIDED BY THE  
 CUSTOMER OR CUSTOMER'S ELECTRICIAN

METER CAN MUST BE APPROVED BY THE  
 CITY OF LEESBURG METERING DEPT PRIOR TO INSTALLATION  
 TYPICAL MULTI UNIT METER CENTER

FIGURE #14

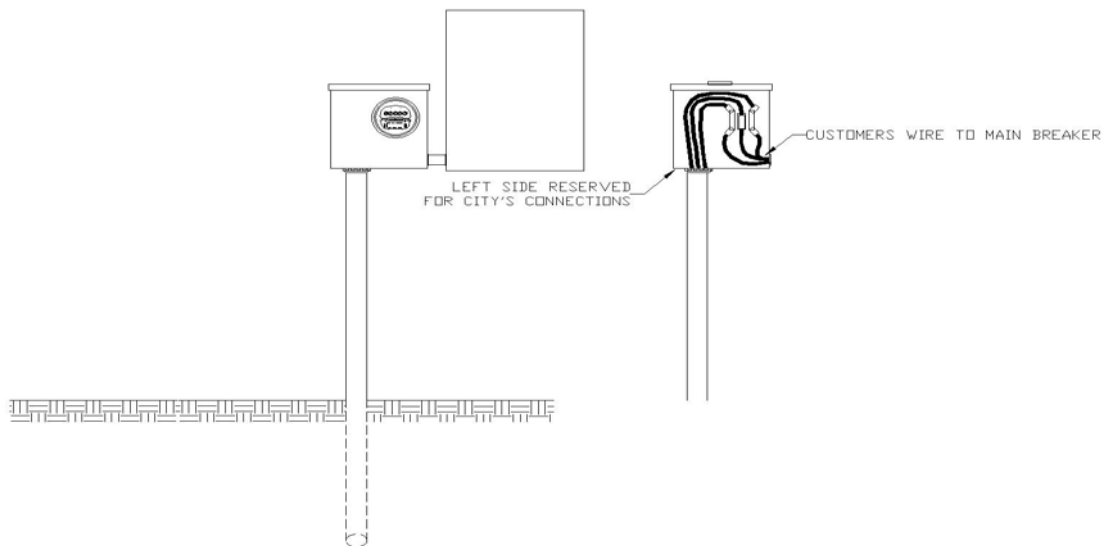


FIGURE #15

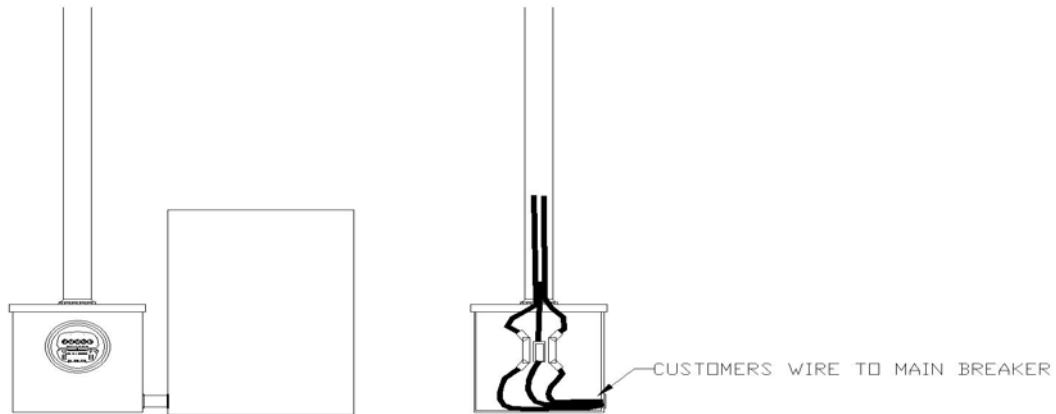
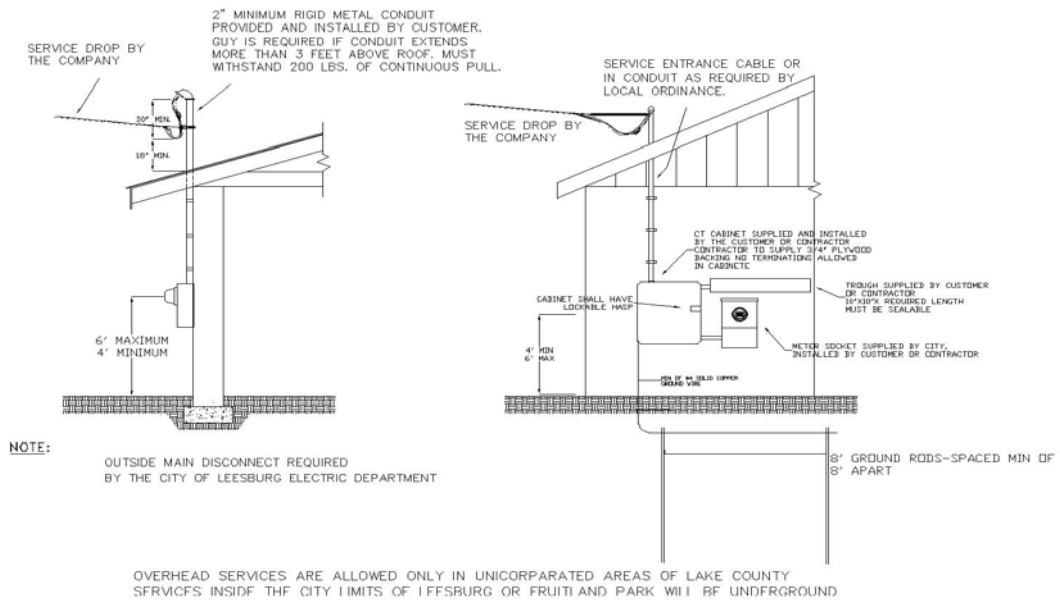


FIGURE #16



FIGURE# 17

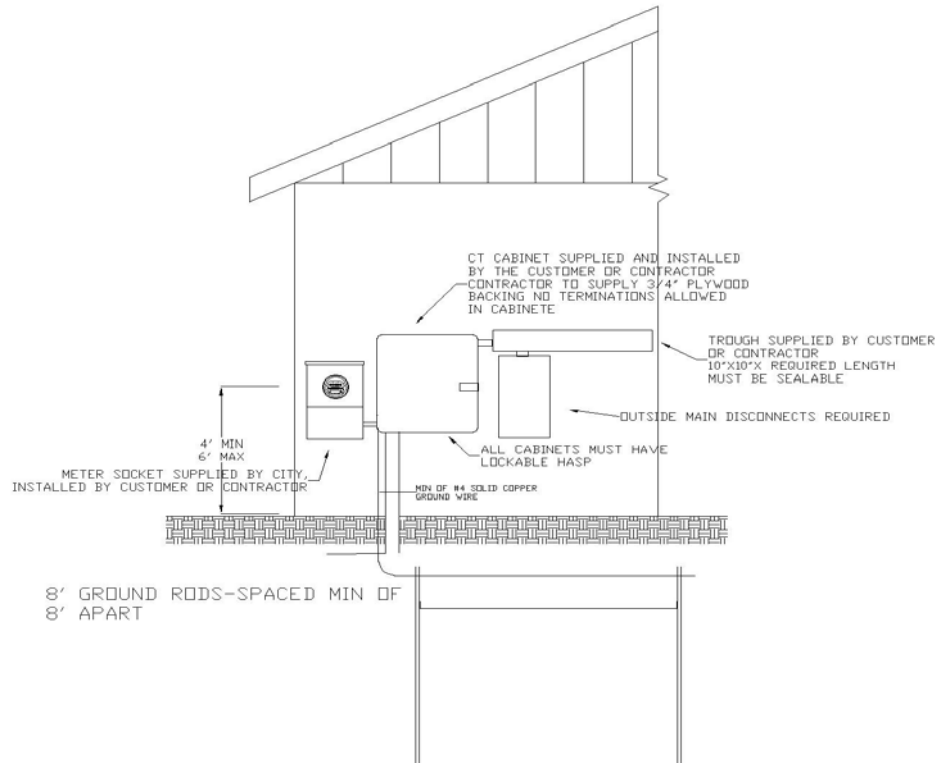


FIGURE 18

## TYPICAL CT METERING AT TRANSFORMER LOCATION WITH NO OTHER SERVICES FED FROM TRANSFORMER

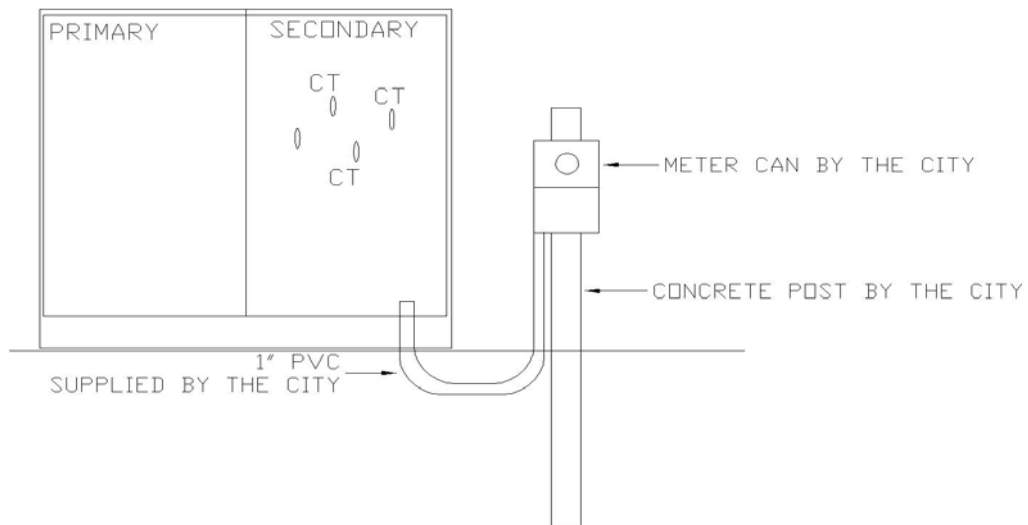
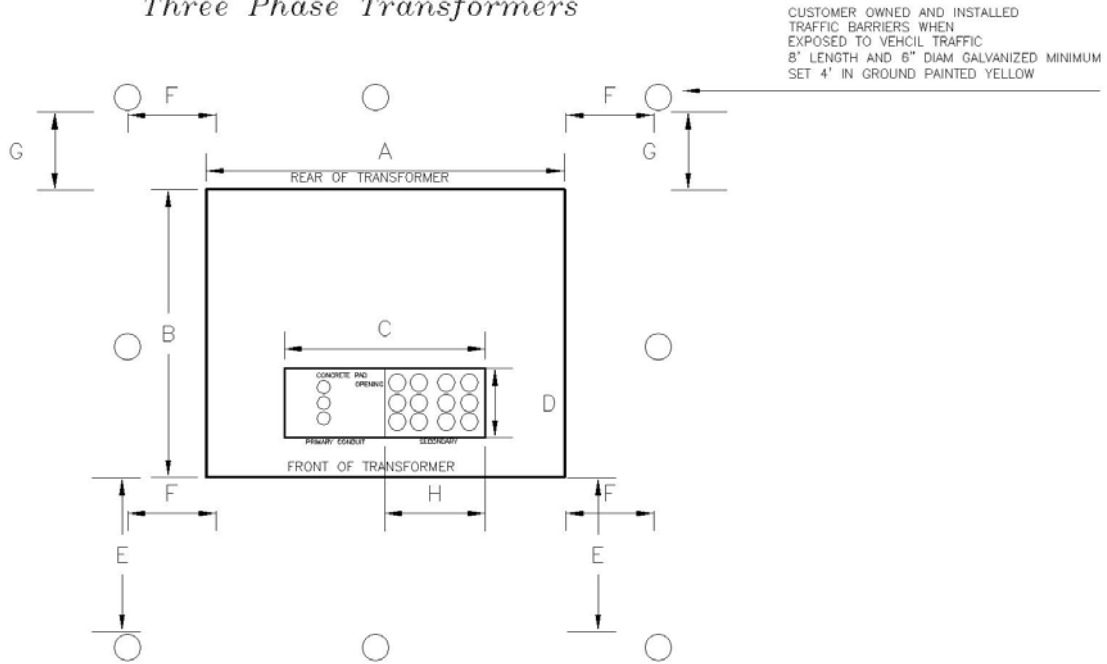


FIGURE 19



*TRANSFORMER PAD SPECIFICATIONS*  
*Three Phase Transformers*



THE FRONT OF THE TRANSFORMER REQUIRES  
 10' CLEARANCE FROM ANY OBJECTS INCLUDING  
 LANDSCAPING. SIDE CLEARANCES ARE 5' FROM ANY BUILDINGS  
 OR OBJECTS.

**FIGURE 20**

Transformer size	A	B	C	D	E	F	G	H
75-500 KVA	82"	66"	46"	16"	36"	18"	18"	23"
750-2000 KVA	96"	96"	66"	20"	36"	18"	18"	23"

CHECK WITH FIELD ENGINEERS FOR INSTALLATION OF BOLLARDS  
 FOR TRAFFIC PROTECTION  
 ALL TRANSFORMER LOCATIONS WILL BE DECIDED BY  
 THE CITY OF LEESBURG ELECTRIC DEPARTMENT

City of Leesburg  
Electric Service Work Flow

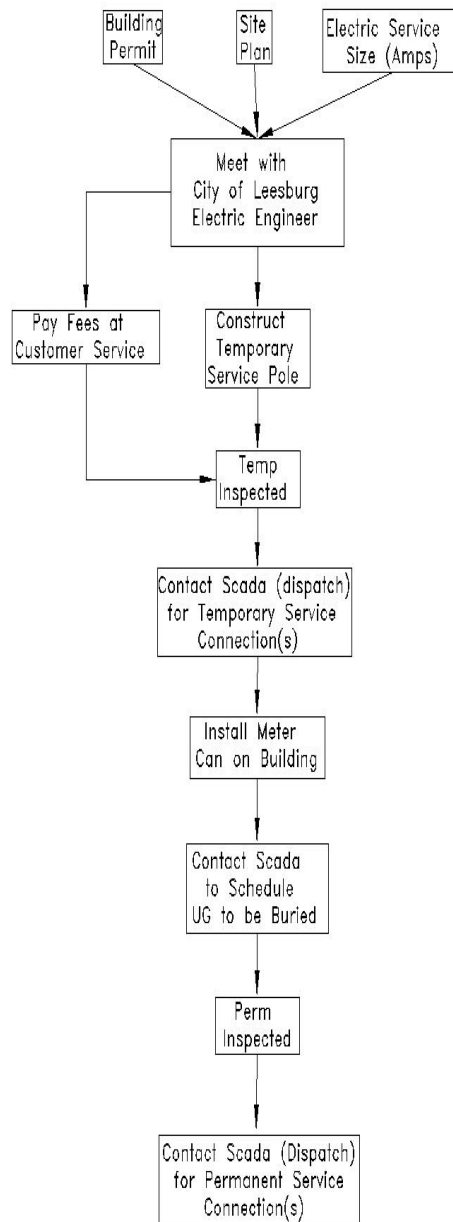


FIGURE 21

City of Leesburg  
Conversion of Overhead to  
Underground Work Flow Chart

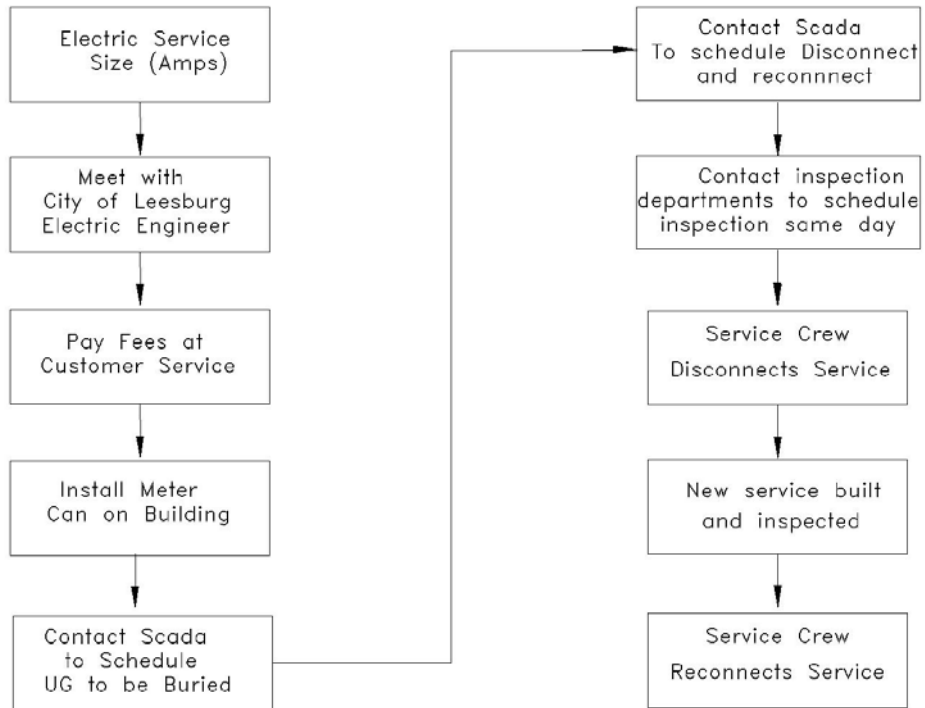


FIGURE 22

## **VIII .TABLES**

Table #1

<b><u>UTILITY FEE SCHEDULE</u></b>	<b>APPROVED 05/09/05 BY CITY COMMISSION RESOLUTION 7355</b>
<b>DESCRIPTION OF SERVICE</b>	<b>CHARGE PER SERVICE OR METER</b>
Initial Connection Fee	\$25
Reconnection Fee	\$25
Transfer Fee	\$25
After Hours connection/reconnection fee	\$100
Single Phase Meter Installation Fee	\$20
Three Phase Meter Installation Fee	\$25
Temporary Electric Service, New Service	\$50
Change of Service, upgrades of Overhead or underground services	\$50

Fees are subject to change.  
Please contact field engineers for current fees